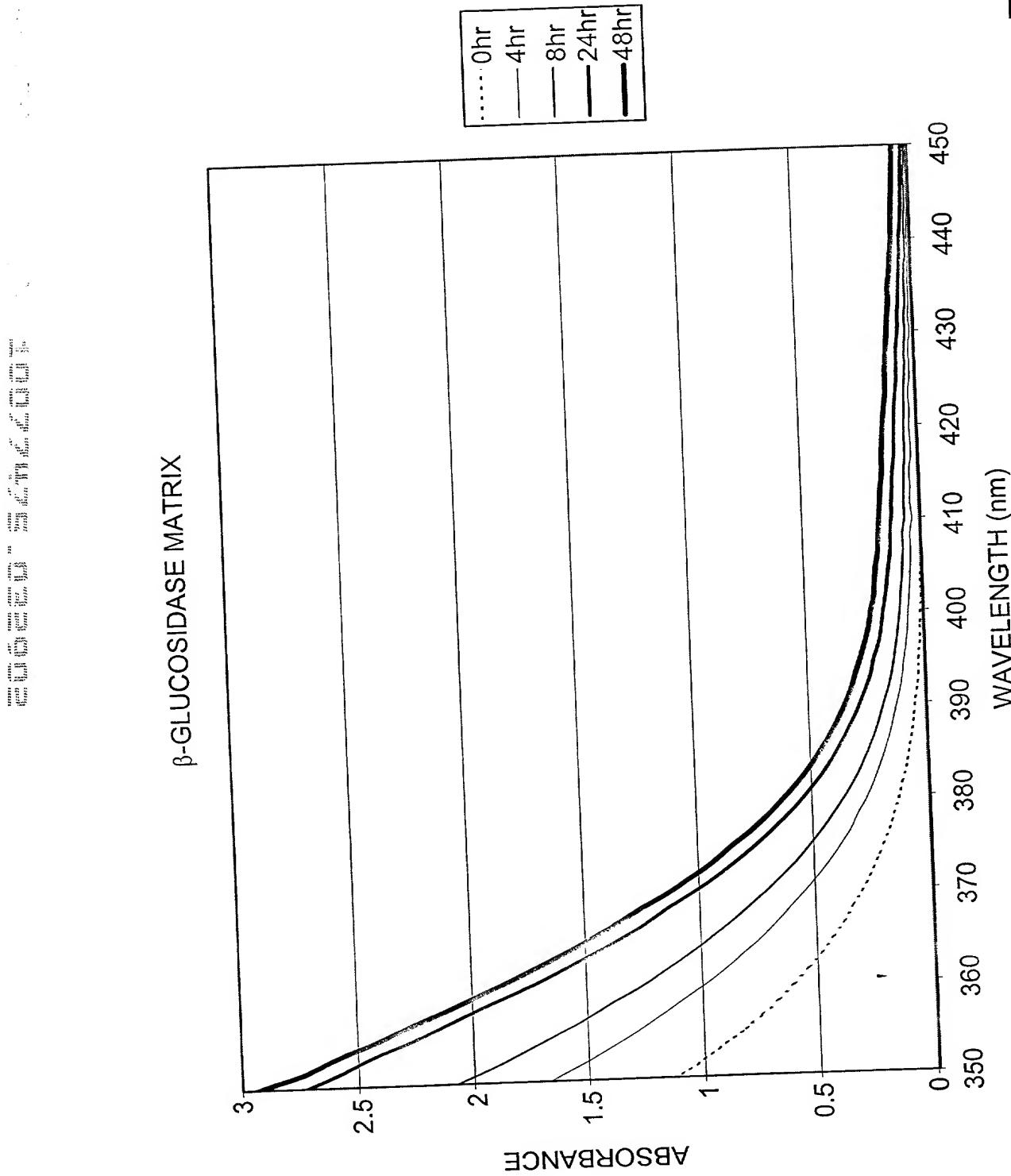


FIG. 1



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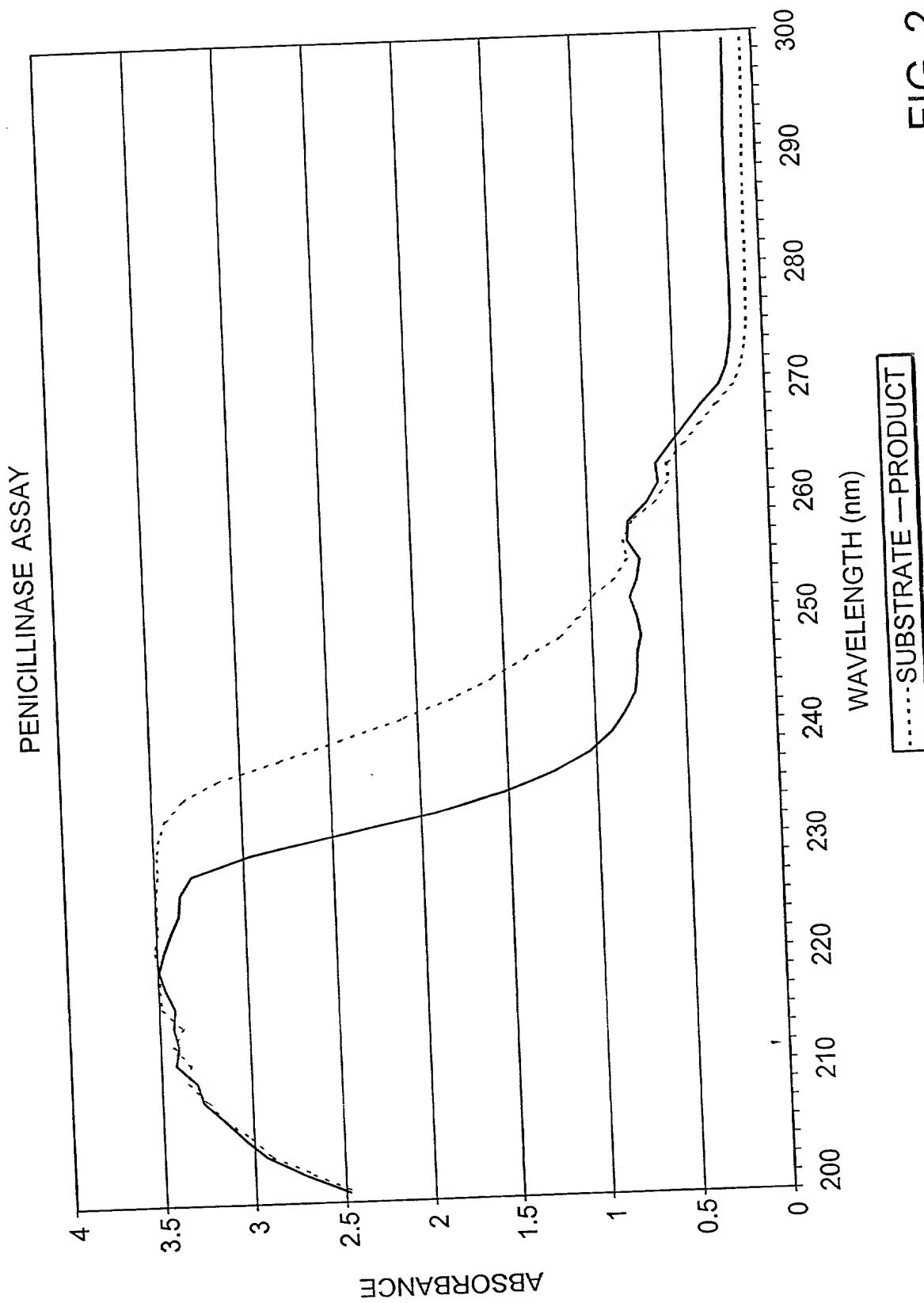


FIG. 2

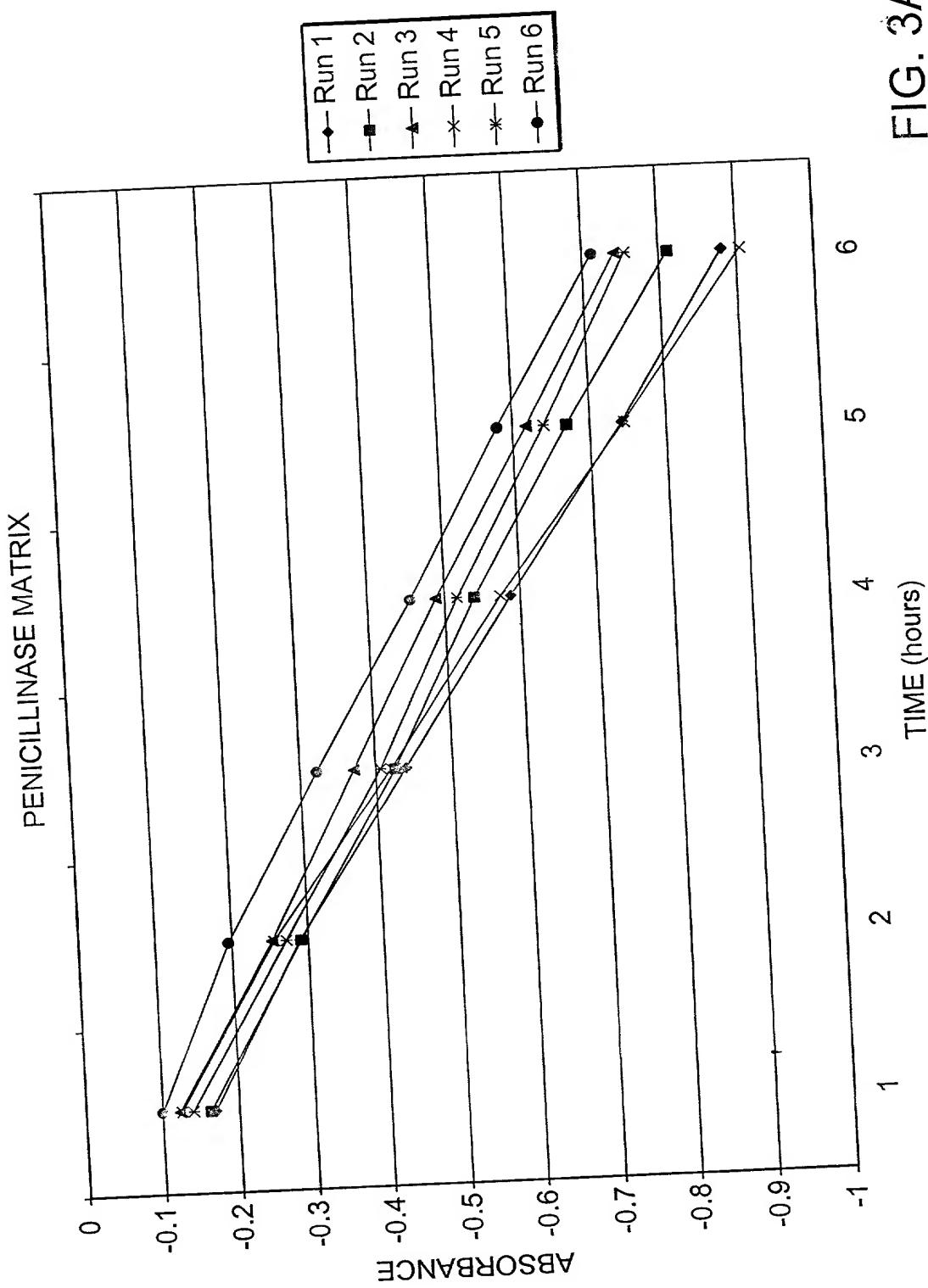


FIG. 3A

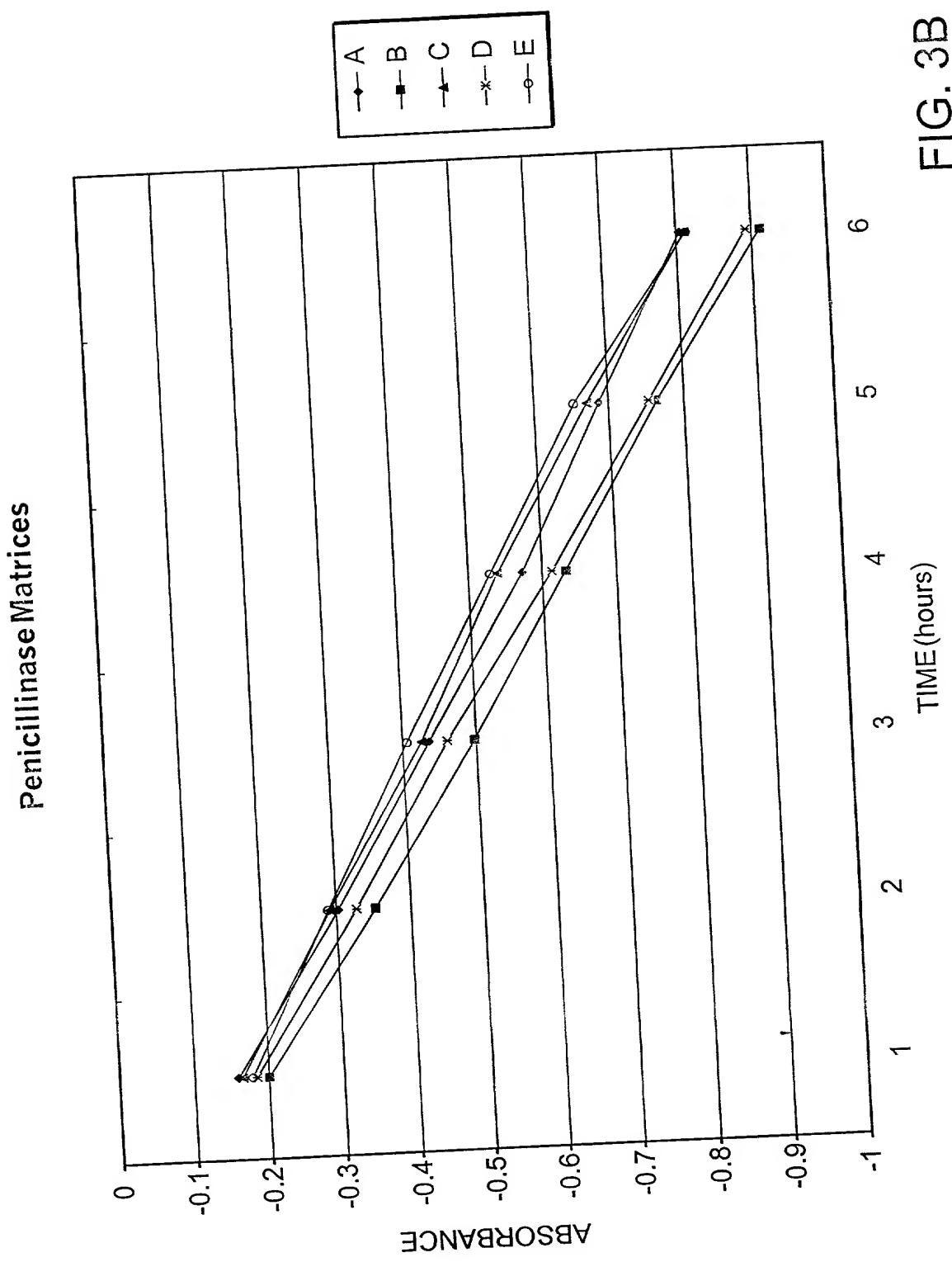


FIG. 3B

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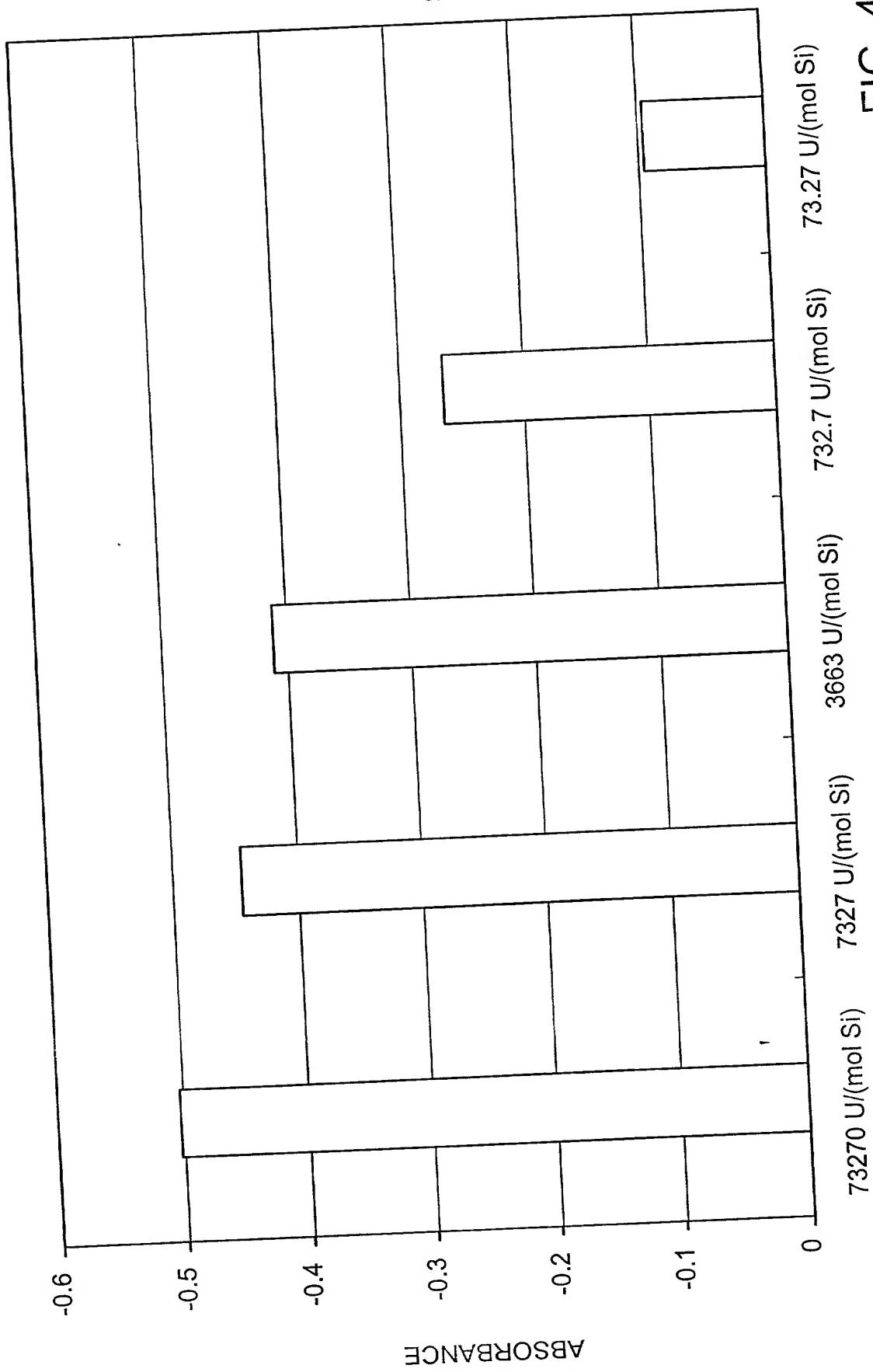


FIG. 4

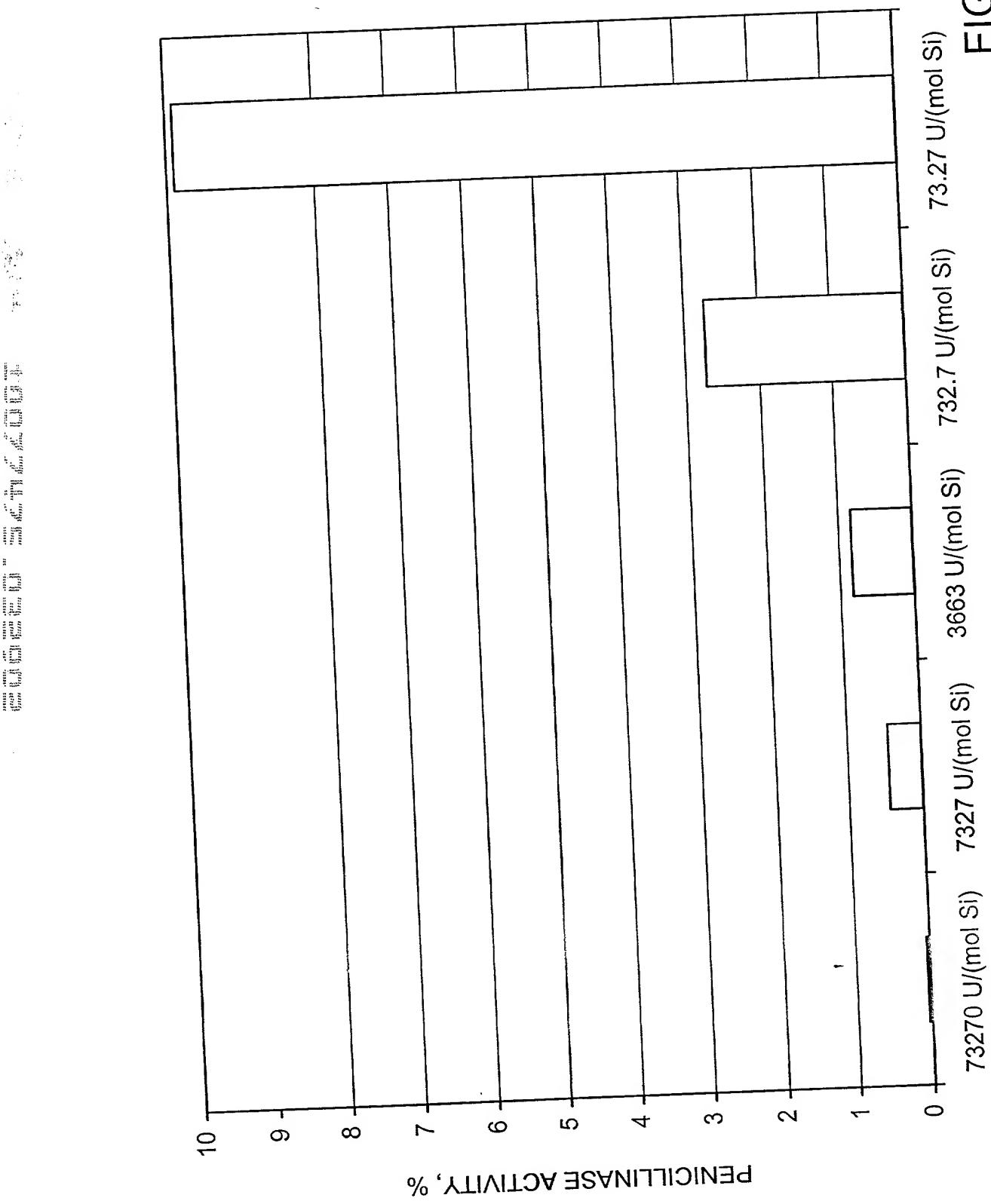


FIG. 5

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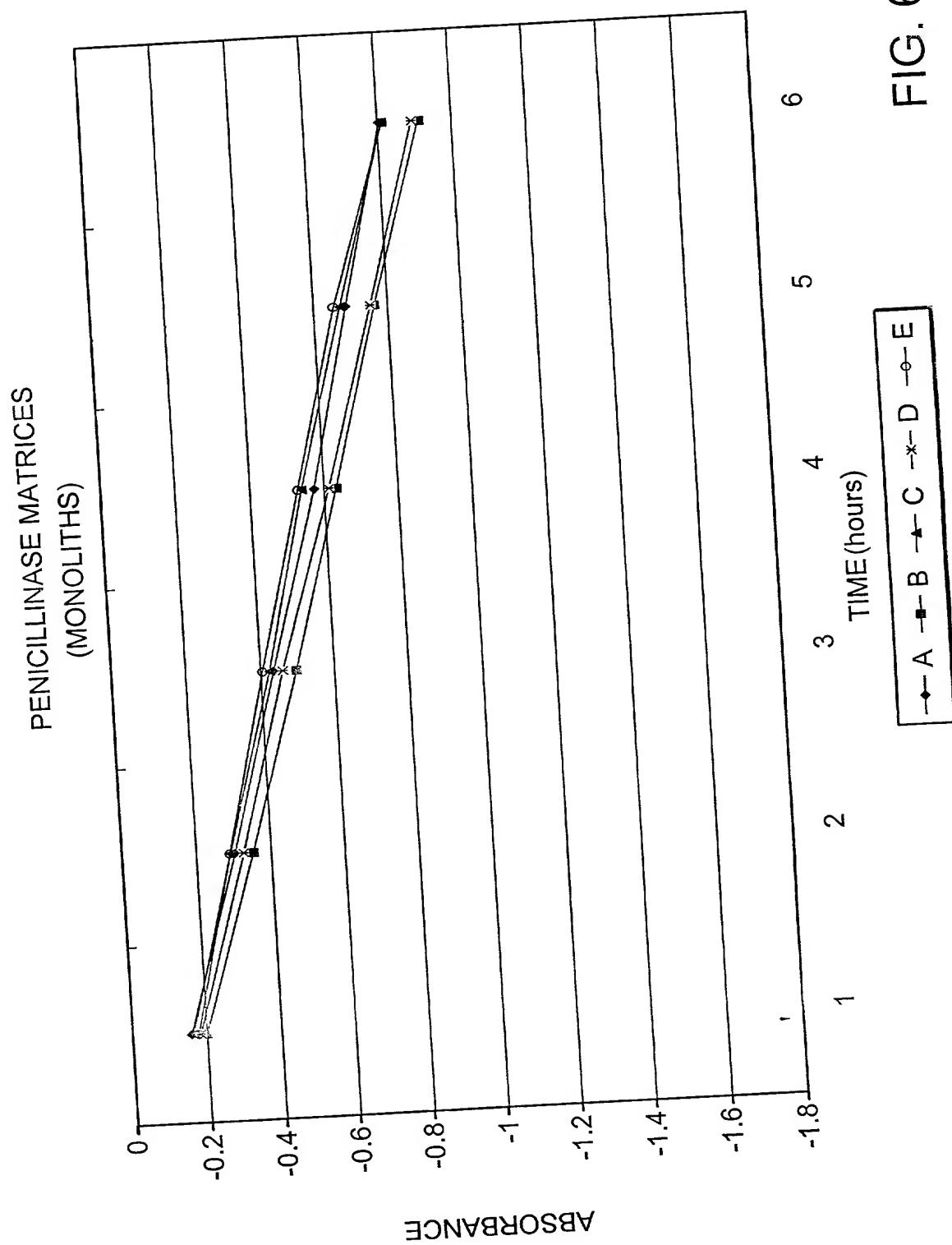


FIG. 6A

PENICILLINASE MATRICES
(CRUSHED MONOLITHS)

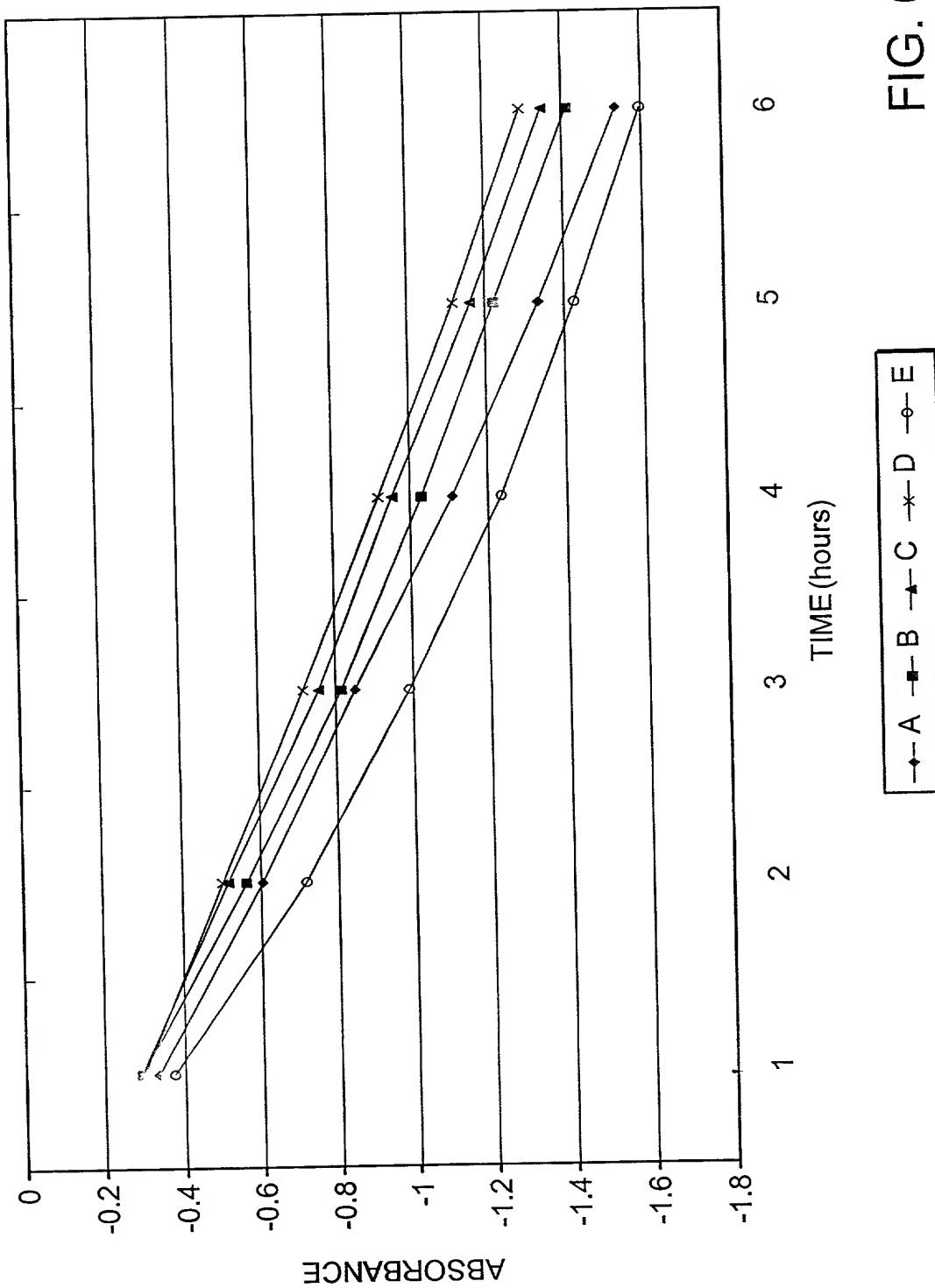


FIG. 6B

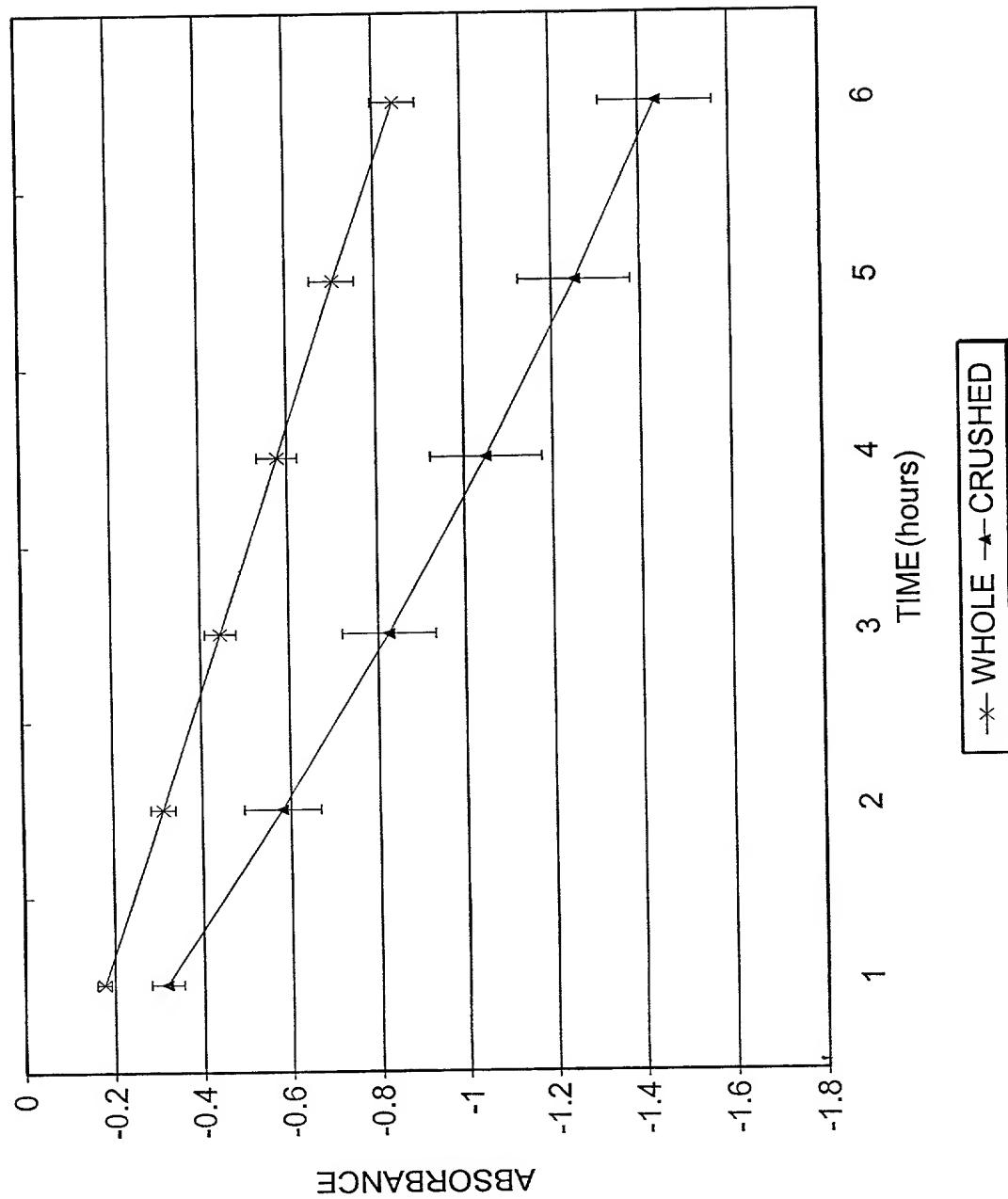


FIG. 7

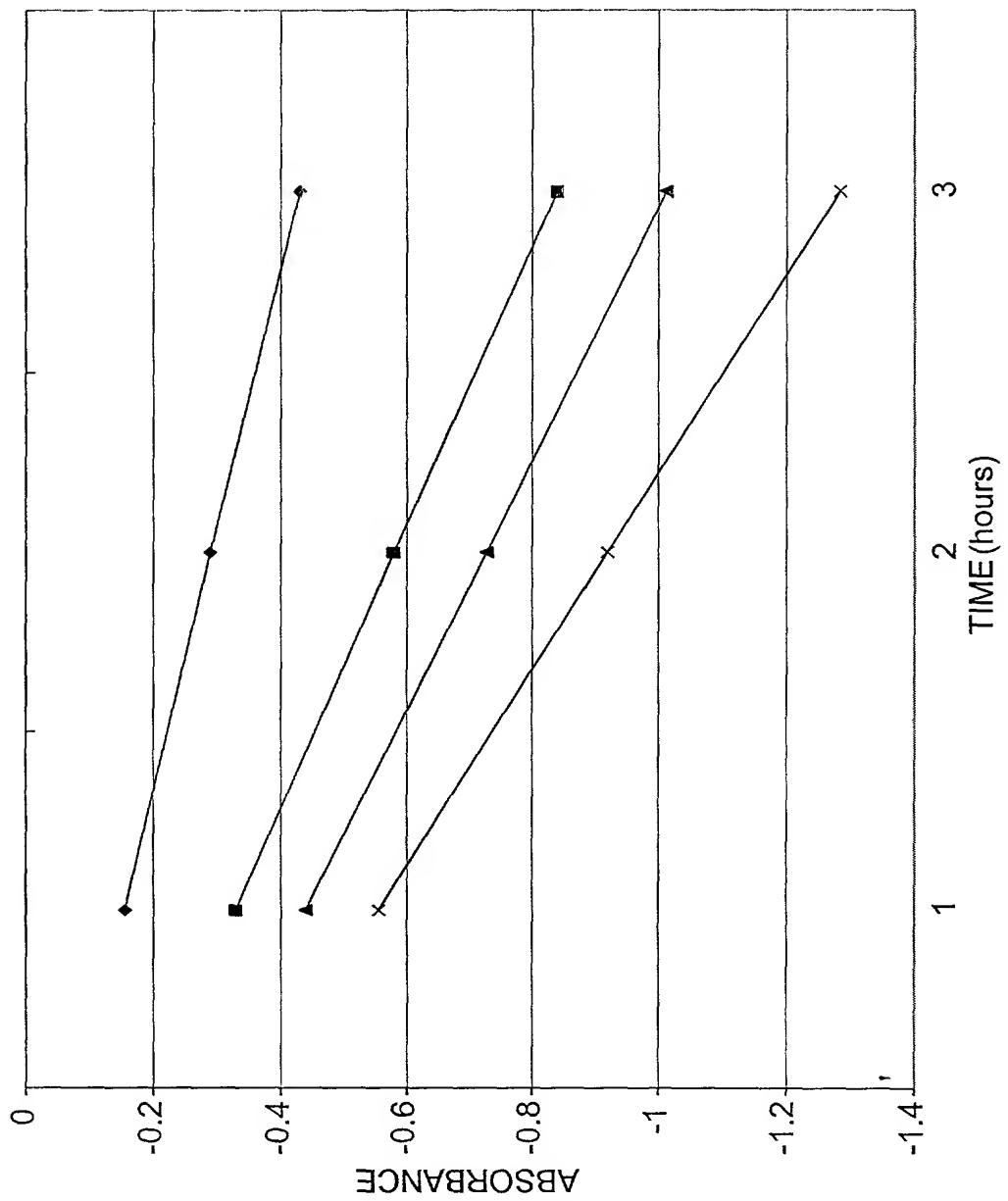
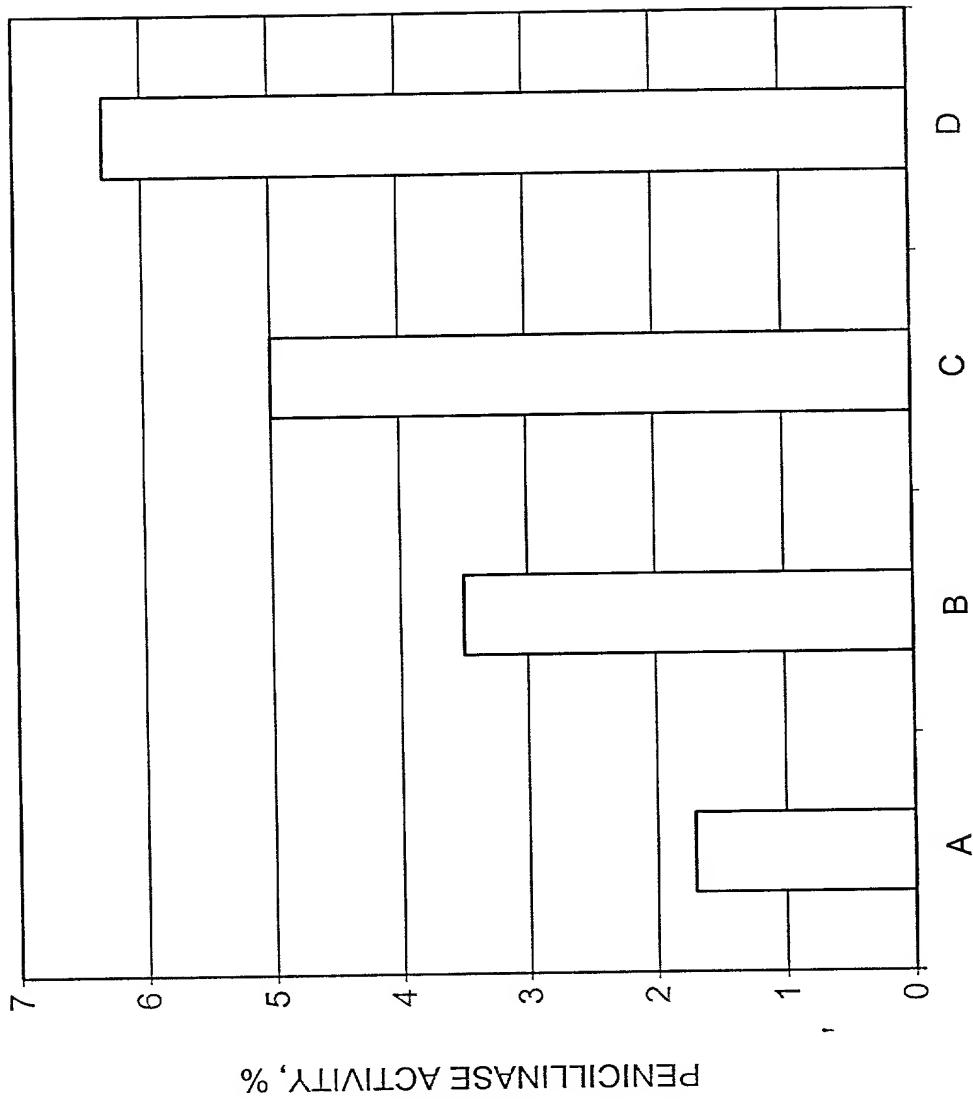


FIG. 8A

—♦— A —■— B —▲— C —×— D

FIG. 8B



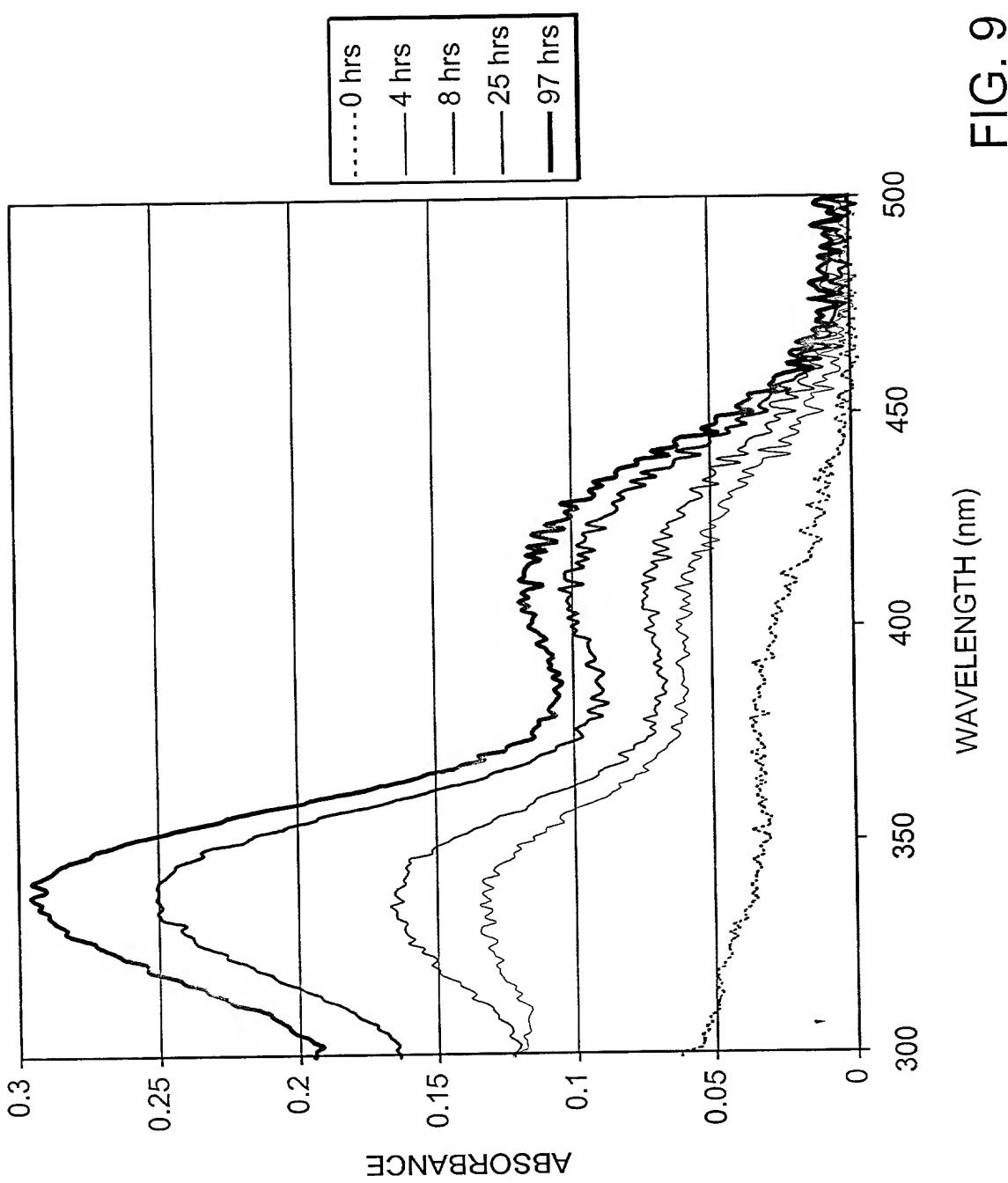


FIG. 9

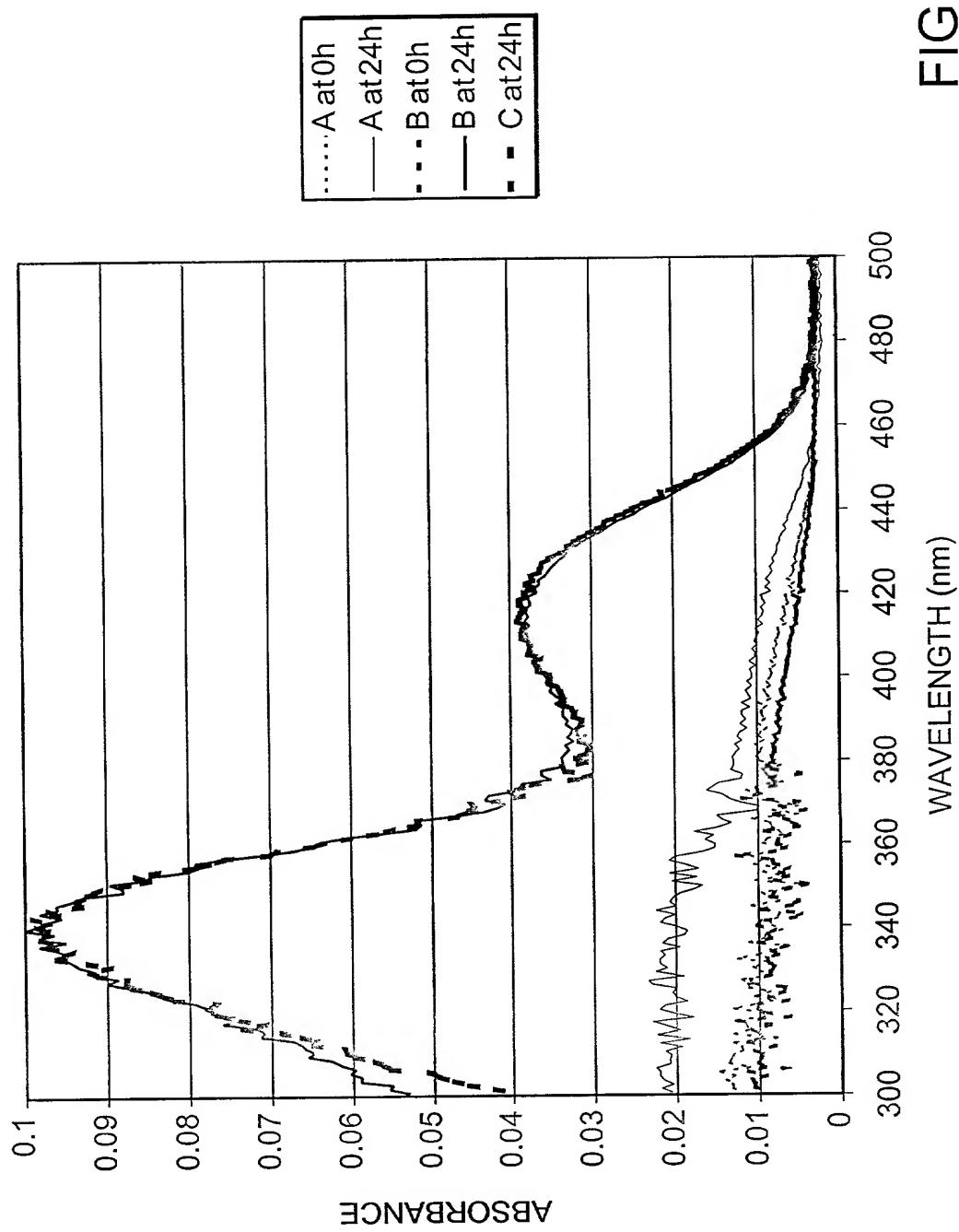


FIG. 10